

Contents of Volume 34 (1992)

Number 1, May 1992

A flame dictionary method for an unsteady, premixed laminar flame, <i>G.A. Sod (United States)</i>	1
Optimal impulse control problem with constrained number of impulses, <i>B.M. Miller and E.Ja. Rubinovich (USSR)</i>	23
A consistent baroclinic quasigeostrophic ocean model in multiply connected ocean domains, <i>E. Özsoy, C.J. Lozano and A.R. Robinson (United States)</i>	51
Book Reviews, <i>W.F. Ames and C. Brezinski (United States / France)</i>	81
News of IMACS	91

Number 2, August 1992

Fractional step algorithm for a model problem in electrochemistry, <i>Y.S. Choi and K.-Y. Chan (United States / Hong Kong)</i>	101
Parameter sets for bounded-error data, <i>R. Moore (United States)</i>	113
A hybrid computation environment for multibody simulation, <i>N. Sreenath (United States)</i>	121
Analysis of finite elements and finite differences for shallow water equations: A review, <i>B. Neta (United States)</i>	141
Simulation of the mechanics of water-skier motion, <i>L. Silverberg and J.R. Gardiner (United States)</i>	163
Book Reviews, <i>W.F. Ames and C. Brezinski (United States / France)</i>	183
News of IMACS	193

Numbers 3–4 (Problem Solving by Simulation), September 1992

Preface, <i>A. Jávör (Hungary)</i>	205
Simulation of distributed functions, <i>W. Ameling (Germany)</i>	207
A template-oriented approach for simulation program understanding, <i>T.I. Ören, R.N. Wendt, D.G. King, O. Abou-Rabia and L.G. Birta (Canada)</i>	219
Models, methods and experiments — A new structure for simulation systems, <i>F. Breitenacker (Austria)</i>	231
Integrated knowledge representation and management in simulation-based design generation, <i>J.W. Rozenblit and J. Hu (United States)</i>	261
Demon controlled simulation, <i>A. Jávör (Hungary)</i>	283

Sensitivity analysis of simulation experiments: regression analysis and statistical design, <i>J.P.C. Kleijnen (Netherlands)</i>	297
Diagrammatic representations of the conceptual simulation model for discrete event systems, <i>V. Cerić and R.J. Paul (Croatia / United Kingdom)</i>	317
A design for a transnational project management system, <i>M. Yolles and M. Pirani (United Kingdom)</i>	325
Simulation study on the architecture optimization and task scheduling of a parallel flight training simulator, <i>C.-Y. Wen and Z.-S. Liu (China)</i>	341
Optimal placement of heat sources on a rectangular grid, <i>B. Cahlon, I.E. Schochetman and M. Shillor (United States)</i>	351
Simulation of a planar combustion wave, <i>F. Pistella and V. Casulli (Italy)</i>	365
Book Reviews, <i>W.F. Ames and C. Brezinski (United States / France)</i>	375
News of IMACS	385

Number 5 (Stochastic Systems Modelling), November 1992

Simulation of weakly correlated fields with an application to vehicle dynamics, <i>G. Drescher and B. Fellenberg (Germany)</i>	397
Simulations of stochastic reaction-diffusion systems, <i>D.J. Hebert (United States)</i>	411
Explicit correction formulae for parametric identification of stochastic differential systems, <i>P. Kazimierczyk (Poland)</i>	433
Stochastic analysis of a nonlinear machine interference model, <i>M.P. Jaiswal, C.L. Sharma and Karmeshu (India)</i>	451
Collocation methods for stochastic Volterra integro-differential equations with random forcing function, <i>A. Makroglou (United States)</i>	459
Application of smoothed perturbation analysis to probabilistic routing, <i>W.-B. Gong and H. Schulzrinne (United States)</i>	467
Statistics of the solution of singularly perturbed systems with random initial conditions, <i>M.G. Zavattaro and R. Riganti (Italy)</i>	487
Book Reviews, <i>W.F. Ames and C. Brezinski (United States / France)</i>	501
News of IMACS	507

Number 6, December 1992

Comparison of methods for solving sets of linear inequalities in the bounded-error context, <i>H. Piet-Lahanier, S.M. Veres and E. Walter (France / United Kingdom)</i>	515
A numerical marching scheme to compute scattering in the ocean, <i>D. Lee, M.H. Schultz, W.L. Siegmann and D.F. St. Mary (United States)</i>	525
Surface approximation by spline smoothing and generalized cross-validation, <i>H. Lu and F.H. Mathis (United States)</i>	541
Comparison of two methods for the calculation of the gradient and of the Hessian of cost functions associated with differential systems, <i>J. Burger, J.-S. Le Brizaut and M. Pogu (France)</i>	551

Taylor series solution of a class of diffusion problems in physiology, <i>N.S. Asaithambi and J.B. Garner (United States)</i>	563
Some reflexions about nonlinear control, <i>A.J. Fossard (France)</i>	571
News of IMACS	585
Author Index to Volume 34	593
Contents of Volume 34	597

